

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

HAMADA

Appln. No.: 09/663,340

Filed: September 15, 2000

Title: POWER SEMICONDUCTOR DEVICE AND PRODUCTION METHOD FOR THE SAME

Confirmation No.: 1868

Group Art Unit: 2826

Examiner: Mondt, Johannes



#10/AmendtB  
a for d  
7/22/02

May 13, 2002

\* \* \* \* \*

AMENDMENT

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated February 14, 2002, please enter the following amendments and remarks:

IN THE DRAWINGS:

Please amend Figures 3 and 4B as shown in the attached Request for Approval of Drawing Corrections.

IN THE CLAIMS:

Please cancel claims 6 and 10 without prejudice or disclaimer.

Please amend claims 3 and 15 as follows:

3. (Twice Amended) A semiconductor device according to claim 1, wherein the first semiconductor regions are formed along the trench gates, and the second semiconductor regions connect the first semiconductor regions formed between the trench gates so as to form a ladder-shaped configuration.

RECEIVED  
MAY 13 2002  
TECHNOLOGY CENTER 2800

B1  
6mb  
D-1

Inventor(s): HAMADA  
 Appln. No.: 09 663,340  
 Series Code ↑ Serial No. ↑

Group Art Unit 2826  
 Examiner: J. Mondt  
 Atty. Dkt. P 271420 TFN990143-US  
 M# Client Ref

Filed: September 15, 2000

Hon. Commissioner of Patents  
 Washington, D.C. 20231

Appln. Title: POWER SEMICONDUCTOR DEVICE  
 AND PRODUCTION METHOD FOR  
 THE SAME

Sir:

**REPLY/AMENDMENT/LETTER**

Date: May 13, 2002

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

**FEE REQUIREMENTS FOR CLAIMS AS AMENDED**

1. Small Entity claim

- A. ☐ NOT made  
 B. ☐ Withdrawn  
 C. ☐ made herewith  
 D. ☐ made previously
- For B & C  
 See **Required  
 Separate Paper**  
 (Pat-256)

Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	14	**minus 20	0	x \$18/\$9 = + \$0	103/203
3. Independent Claims	2	***minus 3	0	x \$84/\$42 = + \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)..... add				+ \$280/\$140 = + \$0	104/204
5. Original due Date: May 14, 2002		<input type="checkbox"/> NONE			
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo) \$110/\$55 = (2 mos) \$400/\$200 = (3 mos) \$920/\$460 = (Usable only for ≤ 2mo.OA --- 4 mos) \$1,440/\$720= (Usable only for 30 day/1mo.OA --- 5 mos) \$1,960/\$980=	+ \$0		115/215 116/216 117/217 118/218 128/228
7. Enter any previous extension fee paid since above original due date and subtract			- \$0		
8.			Extension Fee		+ \$0
9. If Terminal Disclaimer attached, add Rule 20(d) official fee .....			+ \$110/\$55		+ \$0 148/248
10. If IDS attached requires Official Fee under Rule 97 (c), ..... add			+ \$180		+ \$0 126
or if Rule 97(d) Request ..... add			+ \$180		+ \$0 126
11. After-Final Request Fee per rules 129(a) and 17(r) .....			+ \$740/370		+ \$0 146/246
12. No. of additional inventions for examination per Rule 129(b) .....			x \$740/370 ea		+ \$0 149/249
13. Request for Continued Examination (RCE) .....			+ \$740/370		+ \$0 1179/1279
14. Petition fee for .....					+ \$0
15.			TOTAL FEE =		\$0

16. \*If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. \*\*If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. \*\*\*If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

**PLEASE CHARGE  
 OUR DEP. ACCT.**

Our Deposit Account No. 03-3975)

(Our Order No. 20847 271420

C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP  
 Intellectual Property Group

By Atty: Paul T. Bowen

Reg. No. 38009

1600 Tysons Boulevard  
 McLean, VA 22102  
 Tel: (703) 905-2000

Sig:

Fax: (703) 905-2500  
 Tel: (703) 905-2020

Atty/Sec: PTB/VXK

**NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments**